

108.4 - Moisture in Oils and Alcohols (liquid form)

SRM 2890, Water Saturated 1-Octanol, is certified for water content and is intended for use in calibrating instruments and validating the accuracy of analytical methods. Water concentration values, for RMs 8506a to 8510 are not certified, but represent the "best estimate" of the moisture content determined by NIST, and are intended for use in developing and validating methods for the determination of moisture in oil and similar matrices.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Water Concentration
2721	Crude Oil (Light -Sour)	5X10 mL	<i>134 mg/kg</i>
2722	Crude Oil (Heavy Sweet)	5X10 mL	<i>99 mg/kg</i>
2890	Water Saturated 1-Octanol	5 x 2 mL	<i>47.3 mg/g</i>
8506a	Moisture in Transformer Oil	5x9.5mL	<i>34.5 mg/kg (Volumetric)</i> <i>22.5 mg/kg (Coulometric)</i>
8507	Moisture in Mineral Oil, 76.8 mg/kg	set (5)	<i>76.8 mg/kg</i>
8509	Moisture in Methanol, 93 mg/kg	set (5)	<i>93 mg/kg</i>
8510	Moisture in Methanol, 325 mg/kg	set (5)	<i>325 mg/kg</i>

Certified values are normal font.

Reference values are italicized.

Values in parentheses are for information only.